

CLAIMS

1. A liquid crystal panel drive device that achieves overdriving by using a frame memory and a lookup table, wherein a plurality of lookup tables are provided so as to
5 correspond to different temperatures, and the lookup tables are switched from one to another so that one of the lookup tables is selectively used according to information indicating an ambient temperature.
2. The liquid crystal panel drive device of claim 1, wherein the lookup tables are
10 switched from one to another with hysteresis secured in between.
3. The liquid crystal panel drive device of claim 1, wherein, based on a first lookup table corresponding to a first temperature and a second lookup table corresponding to a second temperature immediately above or below the first temperature, an interpolated
15 amount of overdrive corresponding to a temperature between the first and second temperatures is calculated.
4. The liquid crystal panel drive device of claim 1, wherein a first storage device in which the plurality of lookup tables are stored and a second storage device, having a
20 smaller storage capacity than the first storage device, for storing a lookup table read out from the first storage device are provided, and a predetermined number, corresponding to the ambient temperature, of lookup tables are read out from the first storage device and stored in the second lookup table.

5. The liquid crystal panel drive device of claim 4, wherein, when lookup tables are read out from the first storage device and stored in the second storage device, corrections are made according to temperature information.

5 6. The liquid crystal panel drive device of claim 1, wherein the lookup table is fed with part of previous-frame data read out from the frame memory and part of input data, and data for overdriving is generated based on another part of the input data which is not fed to the lookup table and output data from the lookup table.

10 7. The liquid crystal panel drive device of claim 1, wherein the lookup table is fed with part of previous-frame data read out from the frame memory and part of input data, output data from the lookup table is so set that part thereof is used as complementary data, correction data is generated based on another part of the input data which is not fed to the lookup table and the part of the output data from the lookup table which is used as the
15 complementary data, and data for overdriving is generated based on the correction data and non-complementary part data from the lookup table.